

2004 Water Quality Assessment (Final) - Category 5 Listings for WRIA 22

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks
22	7735	5	Y	BLACK CREEK Rashin and Graber, 1992. 7 excursions out of 12 samples (58%) collected in 7/90.	SC15QZ	15.466	18N	07W	17	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
22	12861	5	N	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Davis et al. 1997 show 2 excursions beyond the National Toxic Rule criterion at station GHCDD-1 out of 2 samples collected in 1996.  Davis 1998. show 1 excursion beyond the National Toxics Rule criterion out of 1 samples collected at station GHCDD-1 in 1996.  Results from Chemical Analysis of Surface Water, Tissue, and Sediment Samples Collected in 1996. Ecology report, 1997, Assessemnt of Cranberry Bog Drainage pesticide Contamination -2 samples exceeded the state criterion.  Davis, et al. 1998. show 5 excursions beyond the National Toxics Rule criterion out of 5 samples collected at station GRAYCASR (DEPTH 1.5 FT) in 1995.  Davis, 1997. 2 samples exceeded the state standards from samples collected in 1994 and 1995.	AB55IV	0.017	15N	11W	06	4,4'-DDD	Water	Lower Route Address was 0.00 on 1998 list. -kk  EPA listed this waterbody based on State chronic standard 0.001 ug/l in 1998.
22	40570	5	Y	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Coots (2003) show 1 excursion beyond the chronic criterion collected on 2 July 2002.  Results from Chemical Analysis of Surface Water, Tissue, and Sediment Samples Collected in 1996. Ecology report, 1997, Assessemnt of Cranberry Bog Drainage pesticide Contamination -2 samples exceeded the state criterion.	AB55IV	1.922	15N	11W	07	4,4'-DDD	Water	EPA listed this waterbody based on State chronic standard 0.001 ug/l in 1998
22	12851	5	N	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Davis, et al. 1998. show 5 excursions beyond the National Toxics Rule criterion out of 5 samples collected at station GRAYCASR (DEPTH 1.5 FT) in 1995.	AB55IV	0.017	15N	11W	06	4,4'-DDE	Water	Name changed from GRAYLAND CREEK to GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1)  3/2/05. -kk  WRIA changed from 26 to 22 on 6/3/05. -kk
22	8735	5	Y	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Davis, 1997 - All but one sample exceeded the EPA recommended criterion from samples collected in 1994 and 1995.	AB55IV	0.017	15N	11W	06	Azinphos-Methyl	Water	Recent sampling shows that this water continues to be impaired for azinphos-Methyl (Boyd, ECY/SWRO, 2003).  EPA listed this waterbody in 1998 based on EPA recommended criterion 0.01 ug/l, that is not adopted as a state standard.

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information						Parameter	Remarks	Medium
				<b>Basis</b>									
22	14171	5	N	<b>GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1)</b>	<b>AB55IV</b>	<b>0.017</b>	<b>15N</b>	<b>11W</b>	<b>06</b>		<b>Chlorpyrifos</b>		<b>Water</b>
				Davis, et al. 1998. show no excursions beyond the chronic criterion out of 5 samples collected at station GRAYCASR (DEPTH 1.5 FT) in 1995.									
				Davis et al. 1997 show no excursions beyond the chronic criterion at station GHCDD-1 out of 8 samples collected in 1996.									
				Anderson and Davis, 2000. show 2 excursions beyond the chronic criterion at station GHCDD-1 out of 5 samples collected in 1998.									
				Anderson and Davis, 2000. show 4 excursions beyond the chronic criterion at station GHCDD-1 out of 5 samples collected in 1998.									
22	8736	5	Y	<b>GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1)</b>	<b>AB55IV</b>	<b>0.017</b>	<b>15N</b>	<b>11W</b>	<b>06</b>		<b>Diazinon</b>		<b>Water</b>
				Davis, 1997. show 25 out of 26 samples exceeded the EPA guidelines from samples collected in 1994 and 1995.									
				Recent sampling shows that this water continues to be impaired for diazinon (Boyd, ECY/SWRO, 2003).									
				EPA listed this waterbody in 1998 based on EPA guidelines maximum acute - 0.08 ug/l, continuous chronic - 0.04 ug/l, that is not adopted as a state standard.									
22	12531	5	N	<b>GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1)</b>	<b>AB55IV</b>	<b>0.017</b>	<b>15N</b>	<b>11W</b>	<b>06</b>		<b>Water Column Bioassay</b>		<b>Water</b>
				Anderson and Davis, 2000. show 100% in-situ and laboratory mortality of Daphnia pulex at station GHCDD-1 in 1998.									